Sample Foundation Moderation Task for Problem Solving, Reasoning and Understanding

Semester 1

Name: _____

C standard questions

Get 6 blocks: (Teacher: reduce to 4 if needed. Photograph)

Draw them in a line:

Draw them (not in a line):

Draw 6. Can you make your 6 into 5? How?

Draw 5. Can you make your 5 into 7? How?

Draw 7. Can you make your 7 into 4? How?

Foundation moderation task teacher instructions:

General information:

1. The **familiar** (C standard) parts of this task involve both:
   - gathering six blocks
   - drawing six blocks in a straight line
2. The **unfamiliar** (A and B standard) parts of this task involve:
   - students drawing six blocks so that they are not in a straight line (**simple unfamiliar** – go on to check the A/B questions if this is drawn correctly)
   - students turning six blocks into five by working out to cross one out, rather than drawing five again from scratch (**simple unfamiliar** – B standard)
   - students turning five blocks into seven by working out to draw two more, rather than drawing seven from scratch (**unfamiliar** – high B or low A standard)
   - students turning seven blocks into four by working out to cross three out (**complex unfamiliar** - A standard)

Instructions:

1. Read each question to the students. Explain or rephrase as needed to make sure that each student knows what to do.
2. Provide blocks to use for the first question.
3. Follow the prompts provided in the flow chart on the following page as you need them.

Marking scheme:

A: Must have questions 1-6 correct, with only minimal prompting as shown. Self-correcting is fine.

B: Must have questions 1-4 correct, with only minimal prompting as shown. Correctly answering question 5 but not question 6
is still a B. Self-correcting is fine.

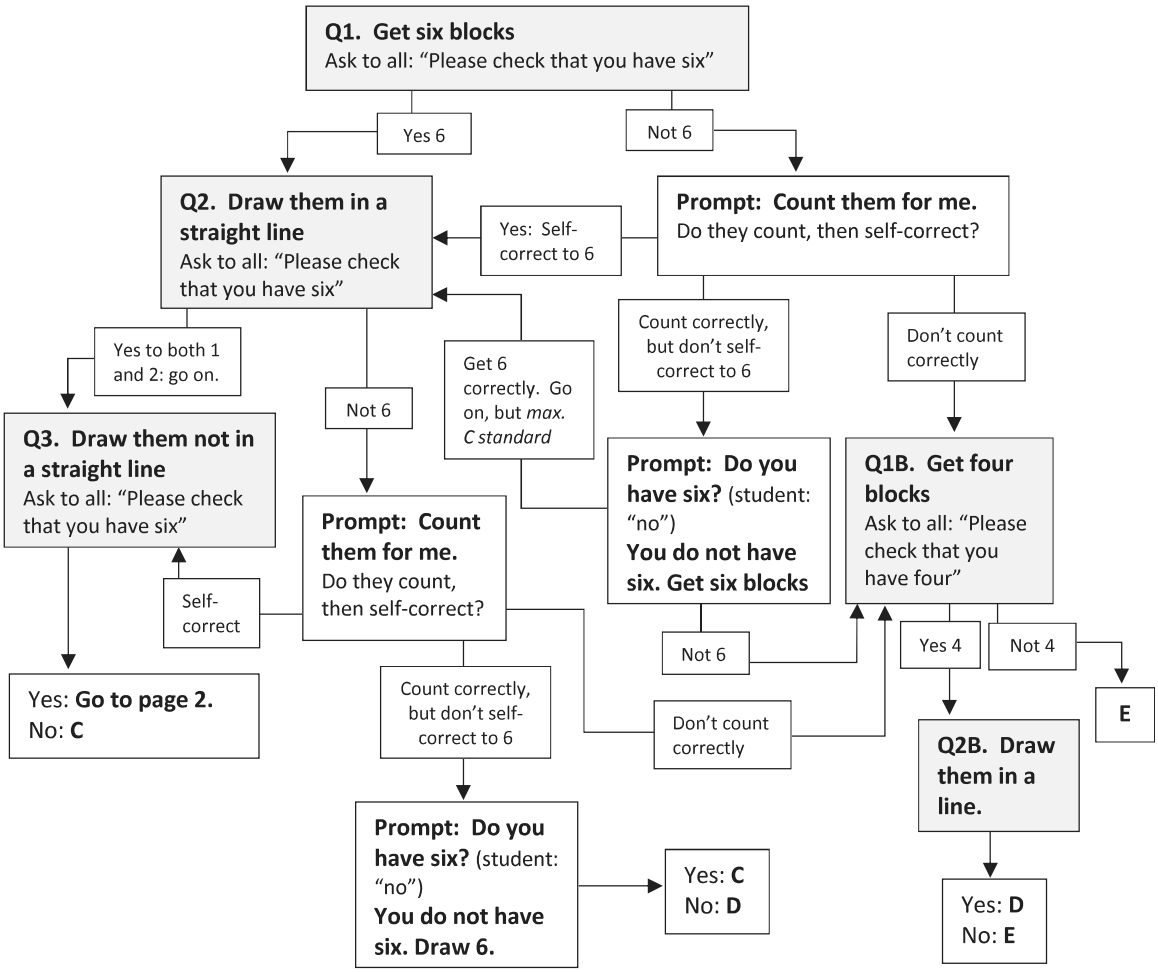
C: Must have questions 1 and 2 correct, with prompting as shown.

D: Must have questions 1B and 2B correct, with prompting as shown.

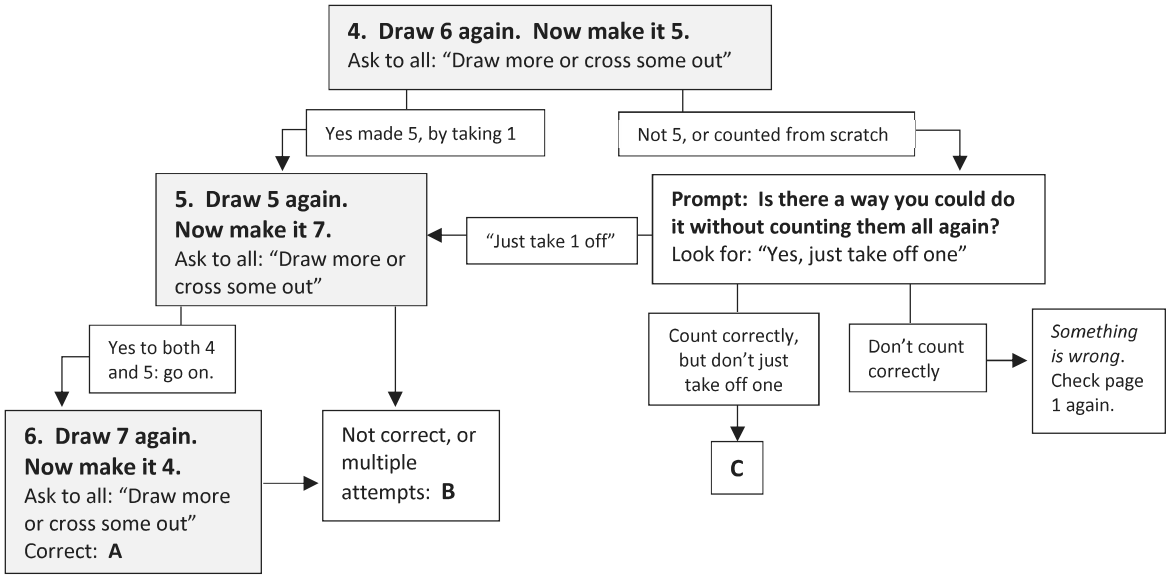
E: Does not have both 1B and 2B correct.

Teacher prompts:

Page 1: C standard – simple, familiar

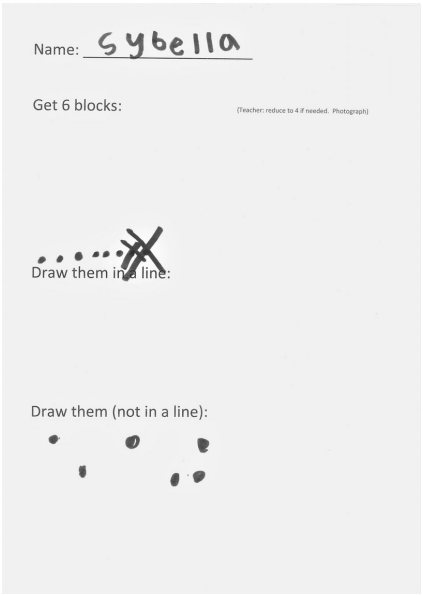


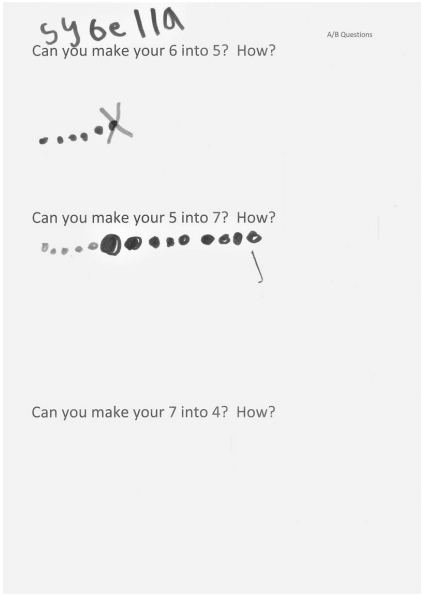
Page 2: A/B standard – unfamiliar



Samples of Foundation student moderation tasks:

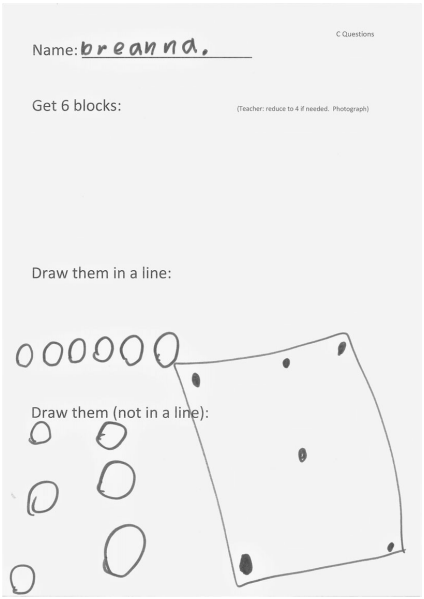
Sybella

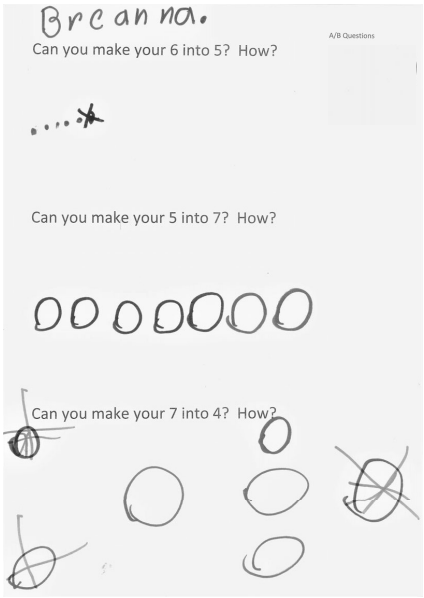




Teacher comments:
Page 1:
Correctly retrieved six blocks, but had trouble drawing them. Self-corrected after counting.
Page 2:
Did not change 6 to 5. Counted 5 again, then crossed off the extras. Did not say "take off 1". Recounted again to make sure that there were only 5.

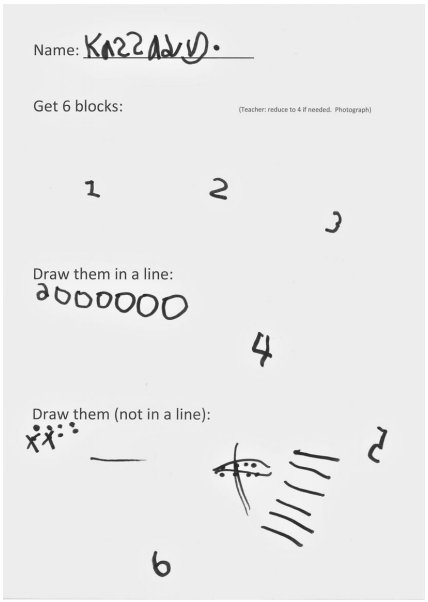
Breanna

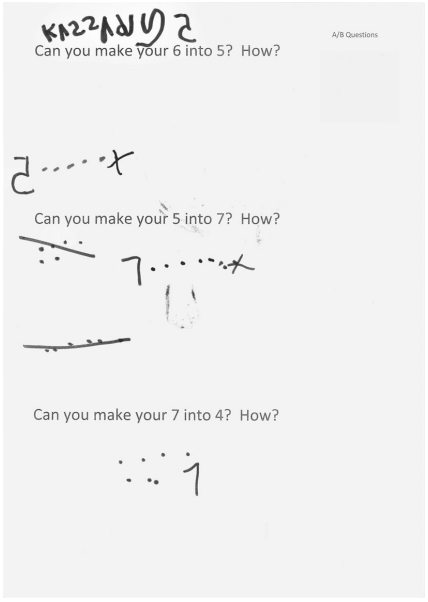




Teacher comments:
Page 1:
Correctly retrieved six blocks.
No trouble viewing six in different configurations.
Page 2:
Could modify and adjust numbers without having to re-count. No help given.

Kassady





Teacher comments:
Page 1:
Correctly retrieved six blocks.
No trouble drawing six in a line. Multiple attempts (all self-corrected) to draw 6 not in a line. Correct.
Page 2:
No help with making 6 into 5 – took 1 off. Had trouble with second question, but persevered. Did not answer last question.

Diville

Teacher comments:
Page 1:
Could not retrieve 6 blocks. Could not count 6 blocks when I got them.

Asked to retrieve 4.
Could retrieve 4.
When asked to draw 4 in a line, he drew 6, then 2, then 7.